

CLAIMS

1. A method of producing a substrate for a plasma display panel by providing a rib on a base, which comprises the steps of
 - contacting a rib precursor containing a first photo-setting initiator having a first absorption edge and a first photo-setting component closely with said base,
 - filling a mold, obtained by photo-setting of a second photo-setting initiator having a second absorption edge whose wavelength is shorter than a wavelength corresponding to said first absorption edge of said first photo-setting initiator, with said rib precursor,
 - exposing said rib precursor to light having a wavelength longer than a wavelength corresponding to said second absorption edge, thereby setting said rib precursor, and
 - removing said mold.
2. A method of producing a substrate for a plasma display panel by providing a rib on a base, which comprises the steps of
 - filling a mold, obtained by photo-setting of a second photo-setting initiator having a second absorption edge whose wavelength is shorter than a wavelength corresponding to said first absorption edge of said first photo-setting initiator, with a rib precursor containing a first photo-setting initiator having a first absorption edge and a first photo-setting component,
 - contacting said rib precursor closely with said base,
 - exposing said rib precursor to light having a wavelength longer than a wavelength corresponding to said second absorption edge, thereby setting said rib precursor, and
 - removing said mold.
3. The method according to claim 1 or 2, wherein the base and mold are transparent and exposure of the rib precursor to light is conducted via the base and mold.

4. The method according any one of claims 1 to 3, wherein the mold is flexible.
5. The method according to any one of claims 1 to 4, wherein the first photo-setting initiator has the first absorption edge corresponding to a wavelength of 400 to 500 nm and the second photo-setting initiator has the second absorption edge corresponding to a wavelength of 300 to 400 nm.
6. The method according to any one of claims 1 to 5, wherein the first photo-setting component and second photo-setting component are acrylic resin.
7. The method according to any one of claims 1 to 6, wherein the rib precursor contains a powder of ceramic and optionally contains a powder of glass.
8. An assembly of a mold for making a substrate for a plasma display device panel comprising a base and ribs, said mold having concave portions, and a rib precursor for forming said ribs said rib precursor being disposed in said concave portions of said mold and containing a first photo-setting initiator having a first absorption edge and a first photo-setting component, said mold being obtained by photo-setting a second photo-setting component in the presence of a second photo-setting initiator having an absorption edge whose wavelength is shorter than a wavelength corresponding to said first absorption edge of said first photo-setting initiator.
9. The assembly according to claim 8, wherein said mold is flexible.
10. The assembly according to claim 8 or 9, wherein said mold is transparent.

11. The assembly according to any one of claims 7 to 9, further comprising a glass substrate forming the base of the substrate for the plasma display panel, said glass substrate contacting said rib precursor disposed in the concave portions of said mold.